



The State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

Representatives Present During the Inspection:

OGM Kevin Lundmark

Company Dana Marrelli

Inspection Report

Permit Number:	C0150032
Inspection Type:	PARTIAL
Inspection Date:	Thursday, August 12, 2010
Start Date/Time:	8/12/2010 11:00:00 AM
End Date/Time:	8/12/2010 1:00:00 PM
Last Inspection:	

Inspector: Kevin Lundmark

Weather: Sunny, 70s

InspectionID Report Number: 2459

Accepted by: jhelfric

8/26/2010

Permitee: **GENWAL RESOURCES INC**

Operator: **GENWAL RESOURCES INC**

Site: **CRANDALL CANYON MINE**

Address: **PO BOX 910, EAST CARBON UT 84520-0910**

County: **EMERY**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **ACTIVE**

Current Acreages

6,235.80	Total Permitted
27.15	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- ☒ Federal
☐ State
☐ County
☐ Fee
☐ Other

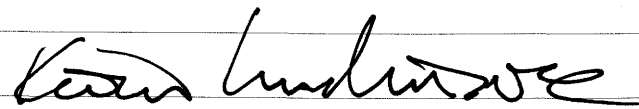
Types of Operations

- ☒ Underground
☐ Surface
☐ Loadout
☐ Processing
☐ Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

DOGM visited the Crandall Canyon Mine to inspect 1) the continued cleanout of the water treatment system settling basin, and 2) the reported release of coal to Crandall Creek resulting from heavy rains between 8/5 and 8/9.

Inspector's Signature:


Kevin Lundmark,

Date

Monday, August 23, 2010

Inspector ID Number: 63

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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Inspection Continuation Sheet

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REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4.c Hydrologic Balance: Other Sediment Control Measures

According to mine personnel, heavy rains between August 5 and 8, 2010 caused a debris slide of coal material from the sandstone face above the minewater treatment settling basin outfall. The slide occurred sometime between the afternoon of August 5 and the morning of August 9 (mine personnel were not present at the time of the slide). Coal material from the rock face entered the settling basin, DD-10 (reporting to the primary sediment pond), and the short ditch at the outfall of the treatment system settling basin (reporting to the 6-ft CMP bypass which in turn reports to Crandall Creek).

Coal was visible in Crandall Creek from the outfall of the 6-ft CMP bypass to upstream of the first beaver dam downstream. No coal was observed in the creek below the first beaver dam, nor was any coal observed in Crandall Creek at LOF-1 near the permit boundary. Mine contractors (Scamp) reportedly removed four 5-gallon buckets of coal from Crandall Creek on August 9, 2010.

In response to the debris slide and in an effort to help reduce the potential for future releases of coal and sediment to Crandall Creek, a ditch had been constructed at the base of the sandstone face directing drainage (and associated debris) to DD-10. Excelsior logs were placed at the crest of the ditch.

4.e Hydrologic Balance: Effluent Limitations

The mine water treatment system was operating. Contractors (Scamp) were on-site cleaning sludge from the treatment settling basin. Cells 4 and 5 were observed to be clean, and Scamp was performing cleanout operations in Cells 2 and 3. The pump used for vacuuming the sludge operates at approximately 50 gpm. Scamp personnel estimated that pumping is performed 6 hours per day, for a total of 18,000 gpd. An excelsior log was present at the outfall of the treatment settling basin to capture particulates disturbed during cleanout activities.

The sediment/sludge level in the primary settling pond was over one foot below the sediment cleanout level. The water level in the primary settling pond was well below to the 10-yr / 24-hr maximum water level.



Source of coal – heavy rains caused a debris flow on this rock face

The Operator constructed this ditch to contain future slides; ditch reports to primary sedimentation pond.

Coal washed down from the rock face into the 002 outfall pipe

12 August 2010



12 August 2010



12 August 2010



12 August 2010



12 August 2010



12 August 2010

6-ft CMP (including 002 outfall)

Approximate extent of visible coal
in Crandall Creek below 002 outfall